

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 10   | ("4841468"   "4876660"   "4941120"   "5128889"   "5208770"   "5218563"   "5276634"   "5500812").PN. OR ("6167419").URPN.                         | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/07/18 15:05 |
| L2    | 10   | ("5253078"   "5442799"   "5586070"   "5644522"   "5751622"   "6014684"   "6038583"   "6167419"   "6286024"   "6523055").PN. OR ("7062526").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR               | ON      | 2007/07/18 15:10 |
| L3    | 2020 | @ad<"20000218" and (dot adj product\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/07/18 15:10 |
| L4    | 485  | 3 and (multiplier\$1 or multiplication) and (add\$3 or addition) and (subtract\$3 or subtraction)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/07/18 15:11 |
| L5    | 167  | 4 and round\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/07/18 15:12 |
| L6    | 131  | 5 and shift\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/07/18 15:12 |
| L7    | 618  | 708/490,523.ccls. and @Ad<"20000218"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR               | ON      | 2007/07/18 15:18 |

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|    |       |                                  |   |    |    |                  |
|----|-------|----------------------------------|---|----|----|------------------|
| L8 | 215   | 7 and shift\$3                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/18 15:18 |
| L9 | 68    | 7 and shift\$3 and round\$3      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/07/18 15:18 |
| S1 | 2     | "5666300".pn.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/31 14:17 |
| S2 | 2     | "20030088601"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/04 16:07 |
| S3 | 2     | "6424996".pn.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/31 15:11 |
| S4 | 2     | "6789107".pn.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/31 19:19 |
| S5 | 2     | "20020073075"                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/01/31 19:19 |
| S6 | 17496 | "708"/\$.cls. and @ad<"20000218" | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 14:55 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S7  | 7969 | S6 and (product\$1 or multiplication or multiplier\$1) and (add or adding or addition or sum) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 14:56 |
| S8  | 1191 | S7 and round\$3 and shift\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 14:56 |
| S9  | 34   | S8 and (dot adj product\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:01 |
| S10 | 162  | S8 and (mid-position\$1 or middle or (mid adj position\$1))                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:07 |
| S11 | 133  | S10 and right   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:02 |
| S12 | 49   | S10 and (right adj shift\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:09 |
| S13 | 9    | S12 and (round\$3.ti. or round\$3.clm. or round\$3.ab.)                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:07 |
| S14 | 576  | S6 and (round\$3.ti. or round\$3.clm. or round\$3.ab.)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:09 |

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|     |      |   |   |    |    |                  |
|-----|------|---|---|----|----|------------------|
| S15 | 157  | S14 and (right adj shift\$3)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:07 |
| S16 | 12   | S15 and (mid-position\$1 or middle<br>or (mid adj position\$1)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:08 |
| S17 | 3    | S16 not S13   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:09 |
| S18 | 4221 | 708/490-685.ccls. and<br>@ad<"20000218"                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:09 |
| S19 | 385  | S18 and (round\$3.ti. or round\$3.<br>clm. or round\$3.ab.)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:09 |
| S20 | 162  | S10 and shift\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:10 |
| S21 | 100  | intermediate\$1 and S20   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:10 |
| S22 | 313  | S19 and shift\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:10 |

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|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S23 | 155 | intermediate\$1 and S22   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:10 |
| S24 | 45  | (round\$3 near value\$1) and S23  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:11 |
| S25 | 5   | 708/551.ccls. and S24   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:11 |
| S26 | 9   | ("4841468"   "4876660"   "4941120"<br>  "5128889"   "5208770"  <br>"5218563"   "5276634"  <br>"5500812").PN. OR ("6167419").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2006/02/28 15:14 |
| S27 | 20  | S18 and round\$3 and shift\$3 and<br>intermediate\$1 and (dot adj<br>product\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 15:17 |
| S28 | 13  | S6 and (dot adj product\$1) and<br>(sign adj extend\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 16:22 |
| S29 | 102 | S6 and (shift\$3 near sign\$1) and<br>extend\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 16:22 |
| S30 | 0   | (dot adj product\$1) and S29  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 16:23 |

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|     |       |  |   |    |    |                  |
|-----|-------|--|---|----|----|------------------|
| S31 | 64    | round\$3 and S29   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 16:23 |
| S32 | 46    | (sign\$2 adj extend\$3) and S31                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/28 16:23 |
| S33 | 17510 | "708"/\$.ccls. and @ad<"20000218"                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/04 16:07 |
| S34 | 345   | S33 and round\$3 and (right adj shift\$3) and multiplication | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/04 16:08 |
| S35 | 116   | S34 and (mid or middle or center)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/04 16:08 |
| S36 | 11    | S35 and dot  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/04 16:13 |
| S37 | 2     | "6167419".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/04 16:15 |
| S38 | 0     | "200300088601"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/04 16:13 |

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|     |       |   |   |    |    |                  |
|-----|-------|---|---|----|----|------------------|
| S39 | 17515 | "708"/\$.ccls. and @ad<"20000218"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/02 22:04 |
| S40 | 129   | (dot adj product\$1) and S39  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/02 21:51 |
| S41 | 37    | round\$3 and S40  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/02 21:51 |
| S42 | 242   | (dot adj product\$1) and<br>@ad<"20000218" and round\$3 and<br>shift\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/02 22:11 |
| S43 | 242   | ((dot adj product\$1).ti. or (dot adj<br>product\$1).clm. or (dot adj<br>product\$1)".ab") and<br>@ad<"20000218" and round\$3 and<br>shift\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/02 22:11 |
| S44 | 28    | ((dot adj product\$1).ti. or (dot adj<br>product\$1).clm. or (dot adj<br>product\$1)".ab") and<br>@ad<"20000218" and (round\$3.ti.<br>or round\$3.clm. or round\$3.ab.) and<br>shift\$3   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/02 22:11 |
| S45 | 2     | "6839728".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/01/02 22:26 |
| S46 | 22    | ("3662161"   "4773038"   "4858164"<br>  "4992933"   "5001660"  <br>"5193204"   "5313413"   "5367692"<br>  "5708835"   "5778416"  <br>"5936872"   "5960211"   "6108763"<br>  "6144979"   "6145072"  <br>"6151668"   "6157938"  <br>"6169723").PN. OR ("6839728").<br>URPN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | ON | 2007/01/02 22:28 |